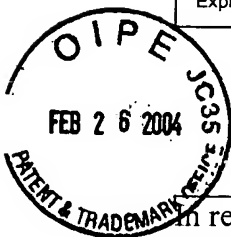


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Docket No.: 20046/0200609-USO
(PATENT)



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:
Christian Pacha et al.

Application No.: 10/723,309

Confirmation No.:

Filed: November 26, 2003

Art Unit: N/A

For: CIRCUIT ARRANGEMENT

Examiner: Not Yet Assigned

INFORMATION DISCLOSURE STATEMENT (IDS)

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

Pursuant to 37 CFR 1.56, 1.97 and 1.98, the attention of the Patent and Trademark Office is hereby directed to the documents listed on the attached PTO/SB/08. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the documents be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

This Information Disclosure Statement is filed within three months of the U.S. filing date (37 CFR 1.97(b)(1)).

A copy of each document on the PTO/SB/08 is attached. Pursuant to the Notice issued by the United States Patent and Trademark Office dated July 11, 2003 waiving the requirements of 37 C.F.R. 1.98(a)(2)(i), copies of the United States Patents on PTO/SB/08a are not submitted.

Citations BA - BB, and BE are not in the English language. In accordance with 1.98(c), Applicant states:

The requirement for concise explanation of relevance of Citations BA - BB, and BE are satisfied by the attached translations of the abstracts (see MPEP § 609 A(3)x).


In accordance with 37 CFR 1.97(g), the filing of this Information Disclosure Statement shall not be construed to mean that a search has been made or that no other material information as defined in 37 CFR 1.56(a) exists. In accordance with 37 CFR 1.97(h), the filing of this Information Disclosure statement shall not be construed to be an admission that any patent, publication or other information referred to therein is "prior art" for this invention unless specifically designated as such.

It is submitted that the Information Disclosure Statement is in compliance with 37 CFR 1.98 and the Examiner is respectfully requested to consider the listed documents.

The Commissioner is authorized to charge any deficiency of up to \$300.00 or credit any excess in this fee to Deposit Account No. 04-0100.

Dated: February 26, 2004

Respectfully submitted,

By  ^{Firm Darby}
(53,970)

Laura C. Brutman

Registration No.: 38,395

DARBY & DARBY P.C.

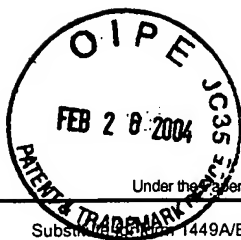
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PTO/SB/08a/b (08-03)

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>			Complete If Known		
			Application Number	10/723,309	
			Filing Date	November 26, 2003	
			First Named Inventor	Christian Pacha	
			Art Unit	N/A	
			Examiner Name	Not Yet Assigned	
Sheet	1	of	2	Attorney Docket Number	20046/0200609-US0

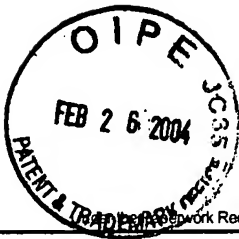
U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
	AA	US-4,910,713-B1	03-20-1990	Madden et al.	
	AB	US-6,232,810-B1	05-15-2001	Oklobdzija et al.	
	AC	US-2002/0047737-A1	04-25-2002	Park et al.	

FOREIGN PATENT DOCUMENTS						
Examiner Initials [*]	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)				
	BA	DE-196 15 413-A1	02-27-1997	Mashiko, Koichiro et al.		X
	BB	DE-197 13 495-A1	10-01-1998	Berger, Horst H. et al.		X
	BC	EP-1 170 865-A2	01-09-2002	Zama, Hidemase et al.		
	BD	EP-1 193 871-A2	04-03-2002	Koji, Hirairi		
	BE	JP-2002-250753-A1	09-06-2002	Furuichi Masakatsu		X

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NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	CA	Hamada et al.: "Utilizing Surplus Timing for Power Reduction"; Proc. of the IEEE Custom Integrated Circuits Conference 2001; pages 89-92.	
	CB	Inukai et al: "Boosted Gate MOS (BGMOS): Device/Circuit Cooperation Scheme to Achieve Leakage-Free Giga-Scale Integration"; Proceedings of the Custom Integrated Circuits Conference, 2000, pages 409-412.	
	CC	Shigematsu et al: "A 1-V High-Speed MTCMOS Circuit Scheme for Power-Down Application Circuits"; IEEE Journal of Solid-State Circuits, Vol. 32, No. 6, June 1997, pages 861-869.	
	CD	P.R. van der Meer et al: "Ultra-low Standby-Currents for deep sub-micron VLSI CMOS Circuits: Smart Series Switch"; ISCAS 2000 - IEEE International Symposium on Circuits and Systems, May 28-31, 2000, Geneva, Switzerland.	
	CE	P.R. van der Meer et al: "Effectivity of Standby-Energy Reduction Techniques for Deep Sub-Micron CMOS"; ISCAS 2001, Proceedings of the 2001 IEEE International Symposium on Circuits and Systems (ISCAS), Vol. 4, pages 594-597.	
	CF	Huang et al: "High Performance 50 nm CMOS Devices for Microprocessor and Embedded Processor Core Applications"; Technical Digest, International Electron Devices Meeting, 2001, pages 11.1.1-11.1.4.	
	CG	Montanaro et al: "A 160-MHz, 32-b, 0.5-W CMOS RISC Microprocessor"; IEEE Journal of Solid-State Circuits, Vol. 31, No. 11, November 1996, pages 1703-1714.	
	CH	Hiramoto et al: "Optimum Device Parameters and Scalability of Variable Threshold Voltage Complementary MOS (VTCMOS)"; Jpn. J. Appl. Phys., Vol. 40 (2001), pages 2854-2858.	
	CI	Zyuban et al: "Clocking Strategies and Scannable Latches for Low Power Applications"; Proceedings of the International Symposium on Low Power Electronics and Design (ISLPED)	

Examiner Signature		Date Considered	
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				Application Number	10/723,309
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				First Named Inventor	Christian Pacha
				Art Unit	N/A
				Examiner Name	Not Yet Assigned
Sheet	2	of	2	Attorney Docket Number	20046/0200609-US0

	2001, August 6-7, 2001, Huntington Beach, California, USA, pages 346-351.	
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